SWP Water Quality Summary

February 19, 2004

Total Dissolved Solids: TDS concentrations continue to decline since the last report, because of rainfall. Banks Pumping Plant and Vallecitos had the lowest concentrations of 138 and 150 mg/l, followed by checks 29, 41 and Devil Canyon with 204, 214, and 272 mg/l, respectively. Barker Slough had the highest concentration of 312 mg/l, which occurred on February 12, 2004. TDS in all locations are on the decline and below Article 19 Monthly Average Objective.

Bromide: Bromide concentrations in all locations decreased substantially starting from January 16, through February 17, 2004. Except in Barker Slough and Vallecitos, which dropped to 0.06 and 0.08 in January 29, and then rose to 0.08 and 0.15 mg/l on February 17, 2004, respectively. Similarly, Devil Canyon also had a gradual decline in concentrations, ranging from 0.25 mg/l in January 16, to 0.20 in February 17, 2004.

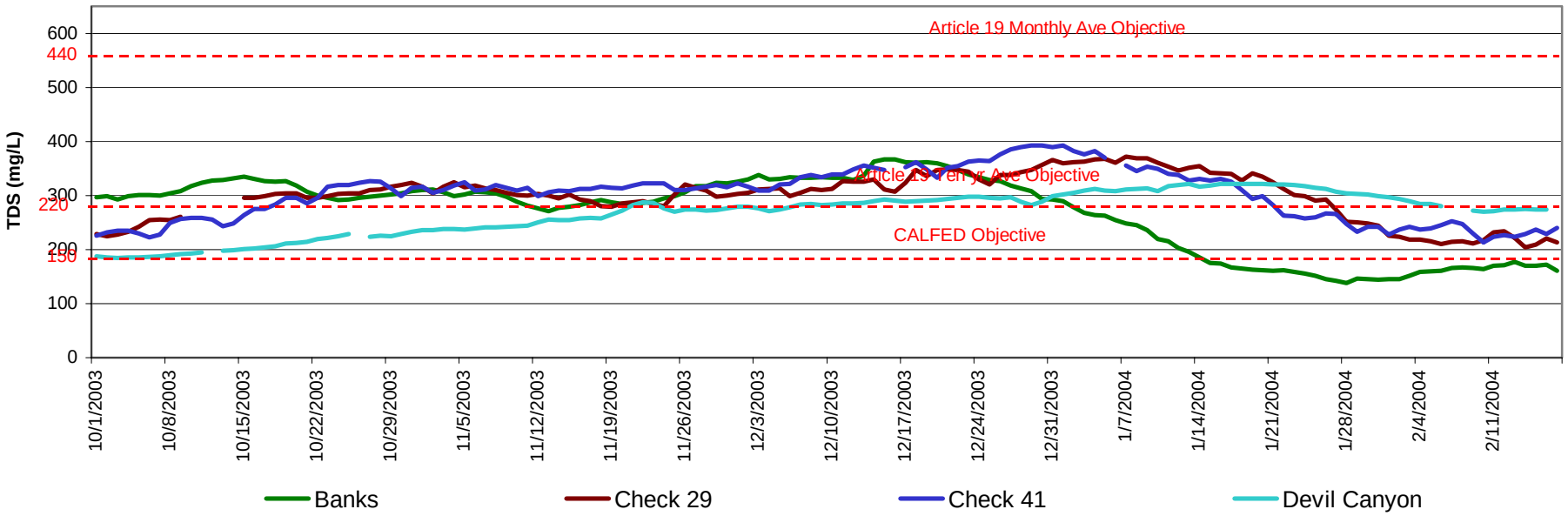
Turbidity: Turbidity concentrations remained low in California Aqueduct, North and South Bay Aqueduct. Concentrations in Banks Pumping Plant, checks 29, 41 and Devil Canyon were below 20 NTU from January 15 to February 15, 2004. Vallecitos, Barker Slough, and Banks Pumping Plant recorded concentrations of 50.8, 50 and 51 NTU, respectively.

Dissolved Organic Carbon: DOC concentration in all locations remained above the CALFED TOC Objective of 3 mg/l, through February 17, 2004. These concentrations started leveling off from about 5 mg/l after January 9, 2004. Check 41 recorded the highest concentrations of 5.3 mg/l, on February 10, 2004, compared to Banks and check 13, with 5.2 mg/l each.

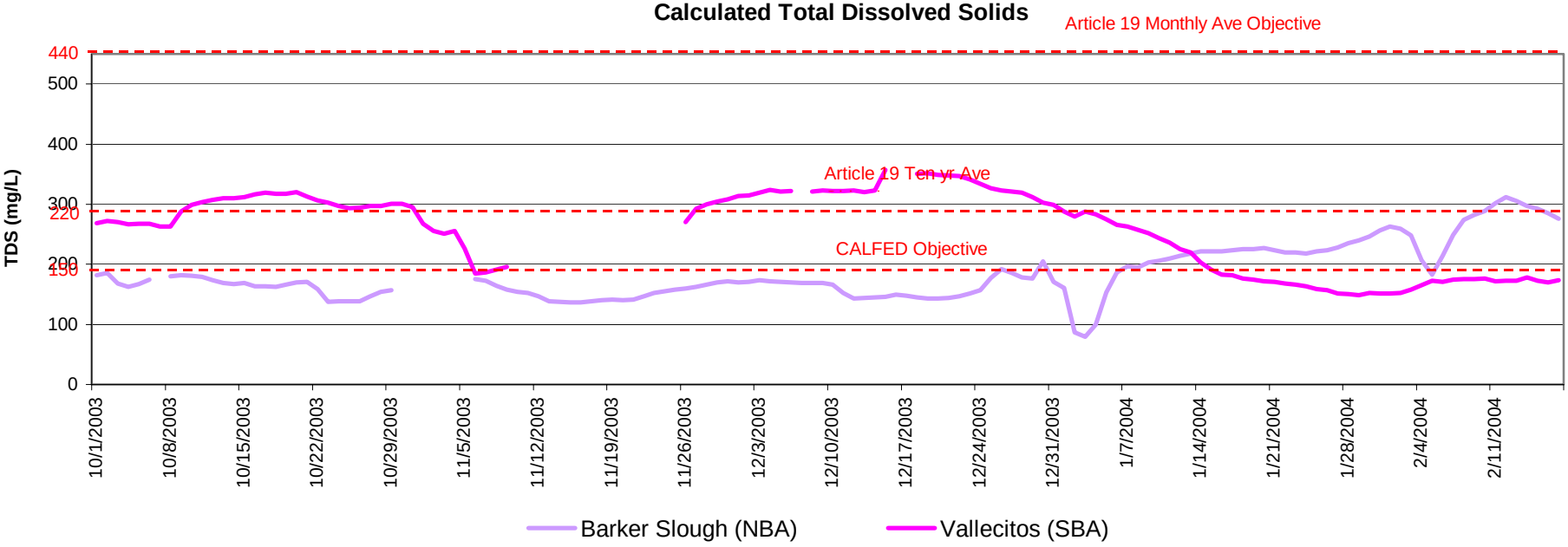
Taste and Odor Compounds: **T**aste and odor compounds values have been relatively low project wide. MIB concentrations ranged from 1 to 7 ng/l in South Bay Aqueduct and Banks Pumping Plant. While concentrations of geosmin ranged from below detection to 7 ng/l.

Ground Water Pump-in: No ground water pump-in during May through February 2004.

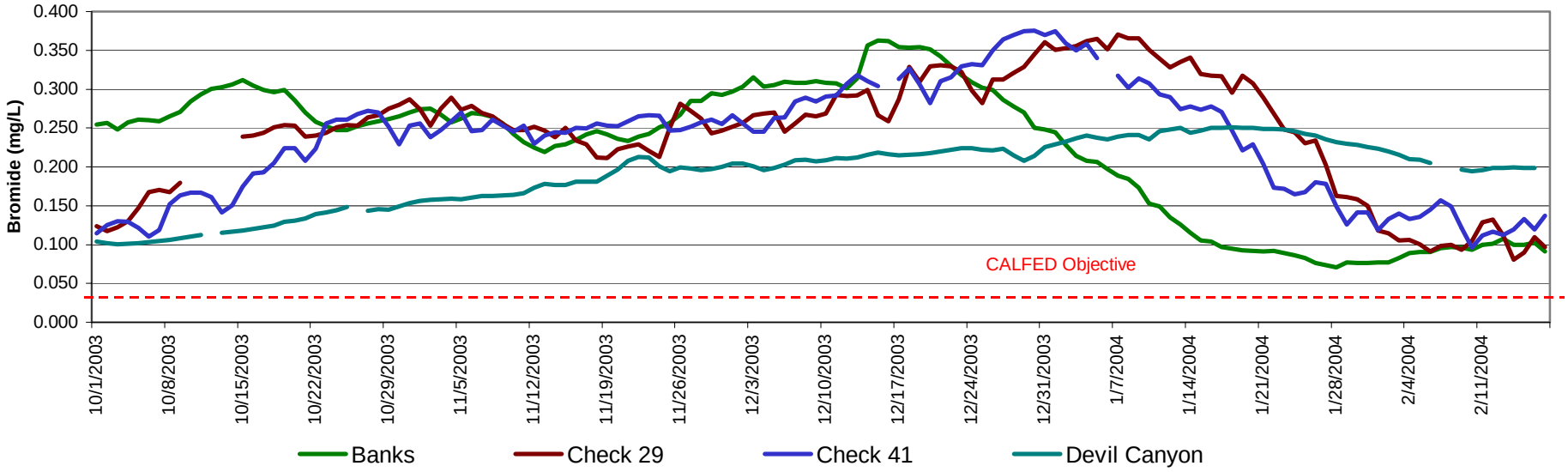
California Aqueduct
Calculated Total Dissolved Solids



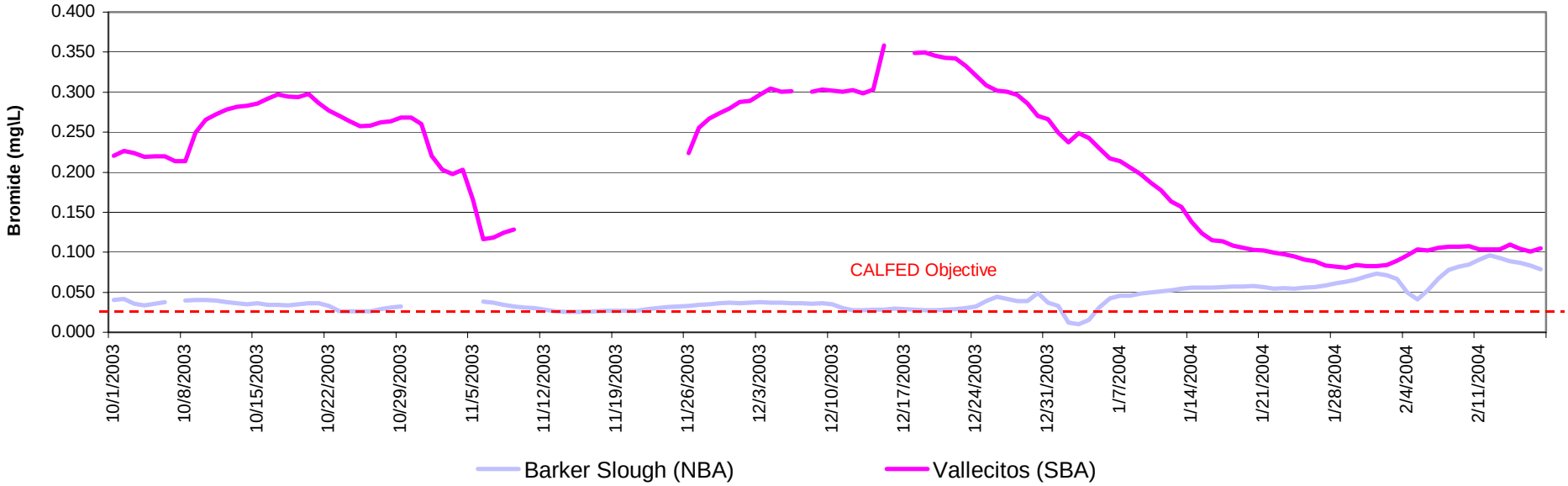
North and South Bay Aqueduct
Calculated Total Dissolved Solids



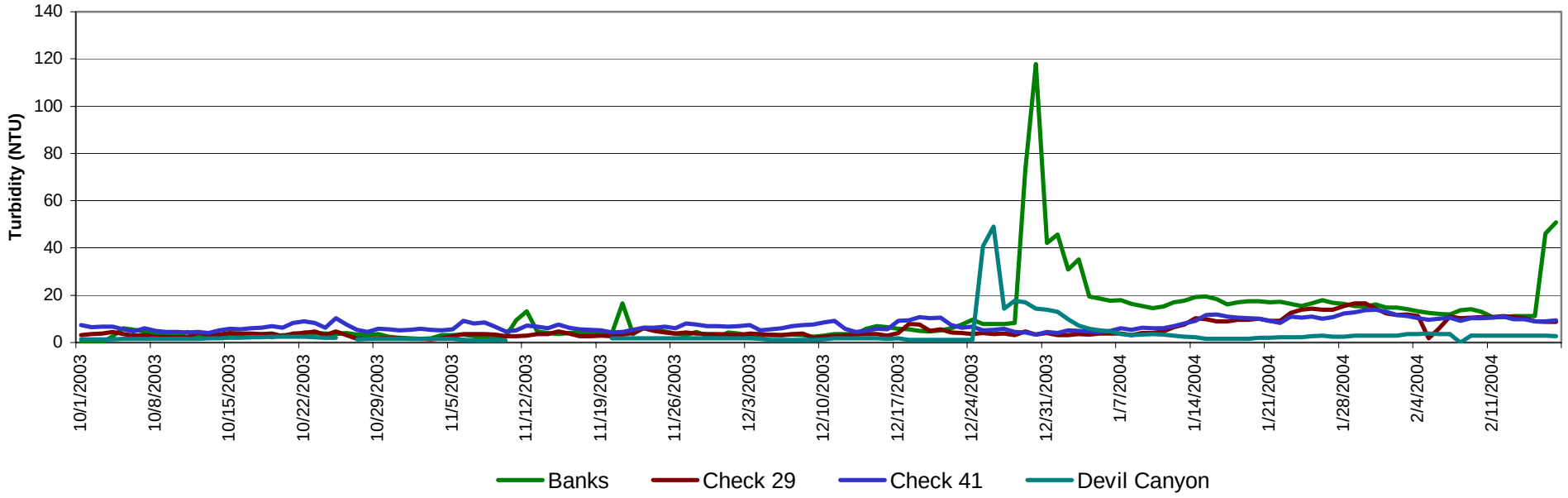
California Aqueduct
Calculated Bromide



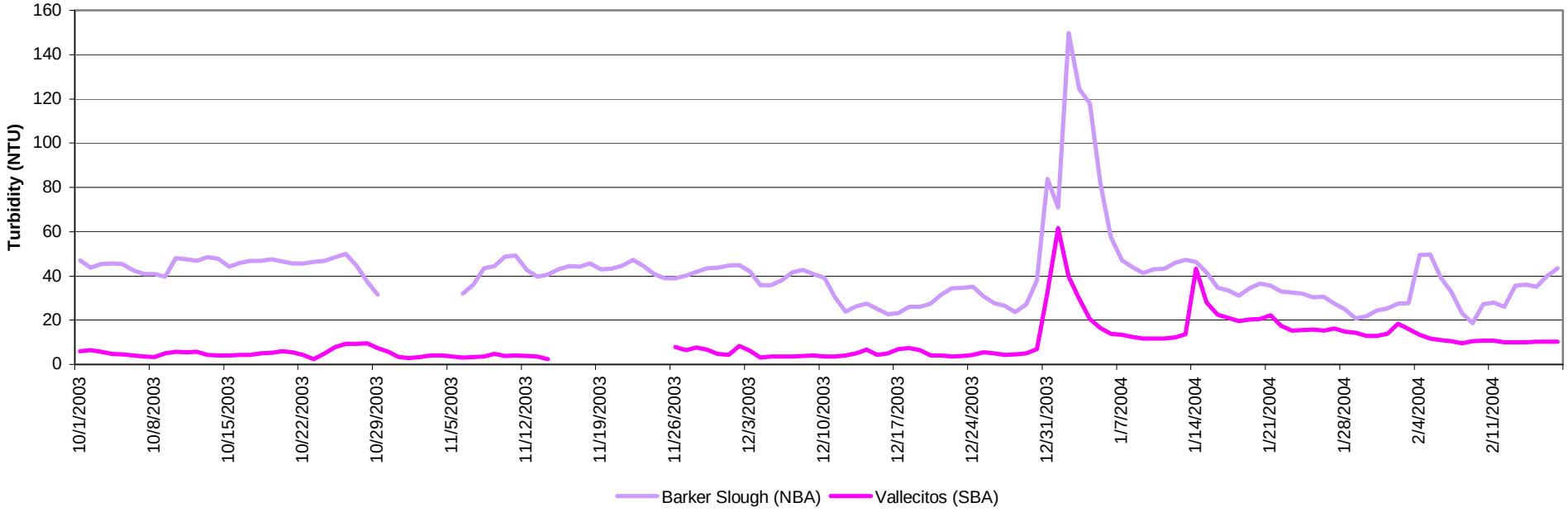
North and South Bay Aqueduct
Calculated Bromide

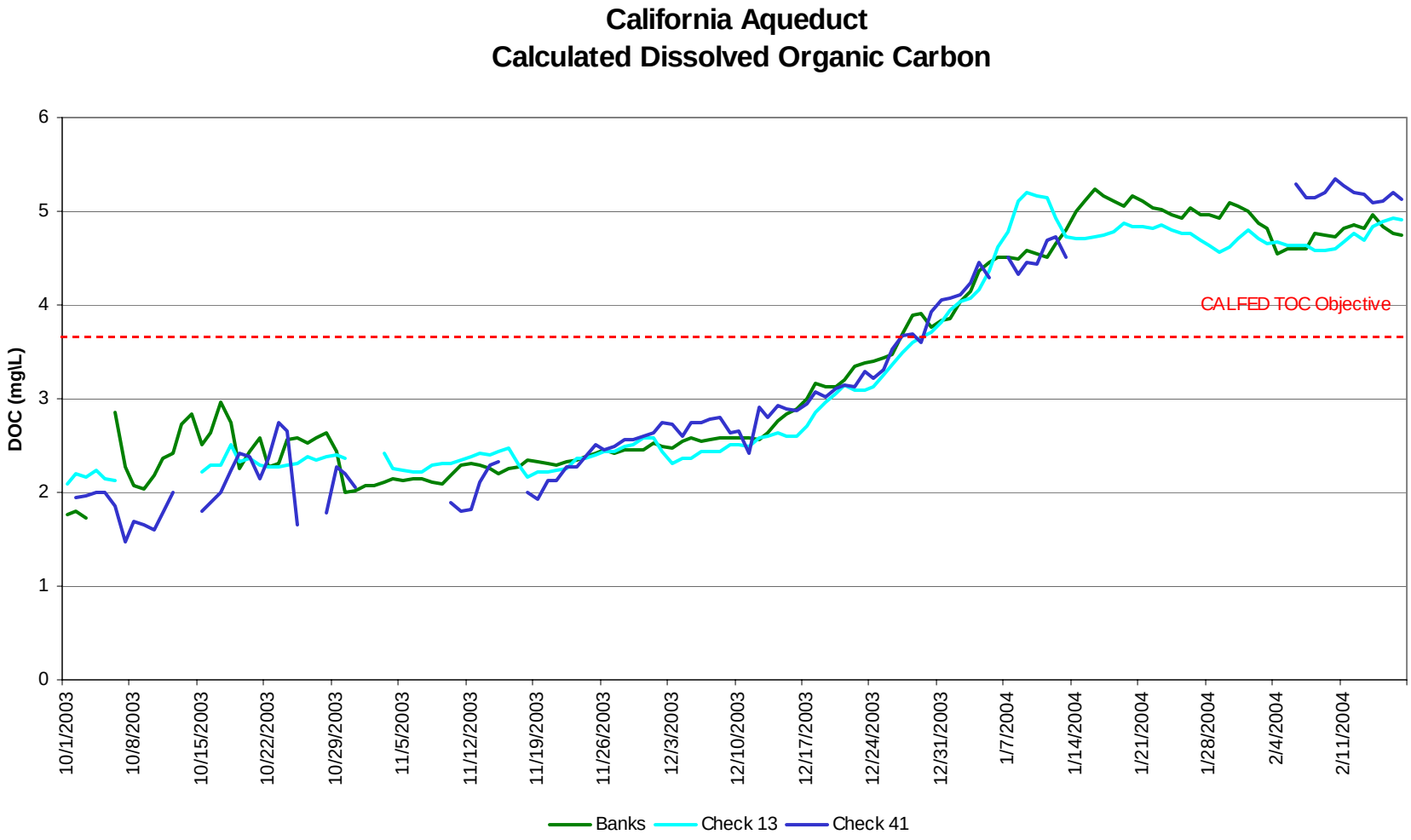


California Aqueduct
Turbidity



North and South Bay Aqueduct
Turbidity




California Aqueduct
Calculated Dissolved Organic Carbon
DOC (mg/L)
6
5
4
3
2
1
0
CALFED TOC Objective
10/1/2003
10/8/2003
10/15/2003
10/22/2003
10/29/2003
11/5/2003
11/12/2003
11/19/2003
11/26/2003
12/3/2003
12/10/2003
12/17/2003
12/24/2003
12/31/2003
1/7/2004
1/14/2004
1/21/2004
1/28/2004
2/4/2004
2/11/2004
Banks
Check 13
Check 41